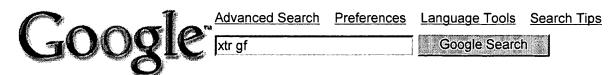
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Need to mention conjugates (sum of all roots in **GF**(pn))

... The Galois Field used by XTR, GF(p 6)*, has order p 6 – 1. This format is taken advantage of when choosing the subgroup for XTR. ... www.cs.rit.edu/~wen2559/XTR 2.html - 44k - Cached - Similar pages

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... XTR uses Galois Fields, denoted GF(p n). A Galois Field is a finite extension field of characteristic p and extension of degree n. Galois Fields are finite ... www.cs.rit.edu/~wen2559/XTR.html - 20k - Cached - Similar pages [More results from www.cs.rit.edu]

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MIT Laboratory for Computer Science, March 2003 335 Improving XTR David Woodruff, Marten ... protocol, Alice and Bob work over some finite field \mathbf{GF} p μ , Alice ... www.csail.mit.edu/research/abstracts/ abstracts03/theory/65woodruff.pdf - Similar pages

_[РРТ] The **XTR** Public Key System

File Format: Microsoft Powerpoint 97 - View as HTML ... RSA. ECC. XTR. Element representation of GF(p2). Let p=2 mod 3, then and p form an ONB for $GF(p2) \times GF(p2)$, x=x1+x2 p=x1+x2 2. Trace. ... algo.csie.nctu.edu.tw/upload/slide/ The%20XTR%20Public%20Key%20System.ppt - Similar pages

<u>gf</u>

... qf: FRAME, rocky mountain element to. SHOCK, sid. BOT. BRACKET, race face. CRANKS, race face. CHAINRINGS, race face. PEDALS, time atac. FRONT DER, xtr. CHAIN, xtr. REAR DER, xtr. ...

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... representation in cryptographic protocols is provably as secure as using the traditional representation in GF(p 6) • either XTR is secure (because GF(p 6 ...

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... XTR Extended to GF(p) Seongan Lim A1, Seungjoo Kim A1, Ikkwon Yie A2, Jaemoon Kim A2, Hongsub Lee A1. A1 KISA (Korea Information ... link.springer.de/link/service/series/ 0558/bibs/2259/22590301.htm - 18k - Nov 20, 2003 - Cached - Similar pages

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... 1 and where p = 2(mod 3). Claim: XTR achieves the communication advantages and computational costs of GF (p 2) but has the security of GF (p 6). This is ... www.stork.eu.org/slides/15_stork-henk.pdf - Similar pages

XTR



... http://www.comp.mq.edu.au/~igor/Publ.htm; Seongan Lim, Seungjoo Kim, Ikkwon Yie, Jaemoon Kim, Hongsub Lee: "XTR Extended to GF(p 6m)", Selected Areas in ... www.kisa.or.kr/technology/sub1/XTR.htm - 14k - <u>Cached</u> - <u>Similar pages</u>

IPPTJ <u>www.cacr.math.uwaterloo.ca/conferences/2000/ecc2000/lenstra.ppt</u> File Format: Microsoft Powerpoint 97 - <u>View as HTML</u> ... as secure as traditional versions over **GF**(p6). either **XTR** is secure (because **GF**(p6) is secure). ... Either **XTR** is secure or **GF**(p6) is not as secure as believed. ... Similar pages

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The XTR public key system Arjen K. Lenstra Citibank, New York ... to represent subgroup

elements (like LUC, but better) • The security of XTR is based on ...

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Thoughts on cipher selection from Joseph Ashwood on 2000-12-12 (...

... Public key encryption. ... Of course we need to support RSA-OAEP, but we should also support EC-ElGamal, XTR, NTRU, ElGamal, RPK, ACE, LUC-ElGamal, etc. ...

lists.w3.org/Archives/Public/xml-encryption/ 2000Dec/0010.html - 12k - Cached - Similar pages

SSH: Support: Cryptography AZ: Algorithms: Public Key ...

... with XTR ideas. So in a way XTR is a generic name for a class of public

key algorithms, similarly to LUC. Perhaps surprisingly, the ...

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Public Key Cryptography: Concrete Systems

... Novel usage of XTR in cryptographic protocols: A Practical ... and some Applications

of Paillier's Probabilistic Public-Key System (Ivan ... LUC family; @McEliece ...

www.tcs.hut.fi/~helger/crypto/ link/public/concrete.html - 9k - Nov 20, 2003 - Cached - Similar pages

XTR

... A. Lenstra, E. Verheul, "The XTR public key system", Advances in ... nl/~ecstr/mathdetails.htm.

PJ Smith, MJJ Lennon, "LUC: A New Public Key System," Proceedings ...

www.kisa.or.kr/technology/sub1/XTR.htm - 14k - Cached - Similar pages

ATableofPublic-KeyCryptosystems

... pq. RSA; Rabin; Rabin-Williams; Dickson; **LUC**; PSS. ... ElGamalSig; DSA; KCDSA; **XTR**. [**Key** Distribution Scheme]. UP. ... New **Public Key** Cryptosystem Using Finite Non Abelian Groups. ... www.kisa.or.kr/technology/sub1/menu.htm - 22k - Cached - Similar pages

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An overview of the XTR public key system Arjen K. Lenstra 1, Eric R. Verheul 2 1

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... 18, 2003 Advanced Cryptography - Week 10 32 **Public Key** Algorithms Integer Factorization Discrete Logarithm RSA GQ ESIGN Diffie-Hellman DSA, NR **XTR LUC** El-Gamal ...

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MPKC 2003: Mathematics of Public-Key Cryptography

... of the constructions of public-key cryptography--and ... Abstract: "Key compression; reducing randomness ... a mathematical interpretation of LUC, XTR, and conjectured ... mpkc2003.mwisc.org/ - 24k - Nov 20, 2003 - Cached - Similar pages

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